

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/03/00
Date Received: 10/30/00
Project: Metro Self Monitor, PO# M83588
Date Extracted: 10/30/00
Date Analyzed: 10/30/00

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
ACU-05 ACU-05	0.44	0.33	0.45	0.17 fb
Method Blank	<0.05	<0.05	<0.05	0.07 fb

fb - The analyte indicated was found in the blank. Its presence may be due to laboratory contamination.

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Project: Metro Self Monitor, PO# M83588

**QUALITY ASSURANCE RESULTS
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Laboratory Code: 010111-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	2.2	1.9	15	0-20
Copper	mg/L (ppm)	2.6	2.5	4	0-20
Nickel	mg/L (ppm)	2.4	2.1	13	0-20
Zinc	mg/L (ppm)	0.48	0.44	9	0-20

Laboratory Code: 010111-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	2.2	95	94	80-120	1
Copper	mg/L (ppm)	5	2.6	108	108	80-120	0
Nickel	mg/L (ppm)	10	2.4	100	98	80-120	2
Zinc	mg/L (ppm)	5	0.48	104	103	80-120	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	102	103	80-120	1
Copper	mg/L (ppm)	5	109	108	80-120	1
Nickel	mg/L (ppm)	10	102	105	80-120	3
Zinc	mg/L (ppm)	5	103	108	80-120	5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
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November 3, 2000

DUPLICATE COPY

INVOICE #00ACU1103-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M83588 - Results of testing requested by
Gerald A. Thompson for material submitted on October 30, 2000.

1 sample analyzed for Total Chromium,
Copper, Nickel, and Zinc
by Method 6010 @ \$80 per sample

\$ 80.00

Amount Due

\$ 80.00

FEDERAL TAX ID (b) (6)

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November 3, 2000

Gerald A. Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

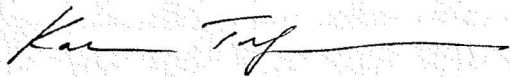
Dear Mr. Thompson:

Included are the results from the testing of material submitted on October 30, 2000 from your Metro Self Monitor, PO# M83588 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Kate Trafton
Project Manager

Enclosures
ACU1103R.DOC